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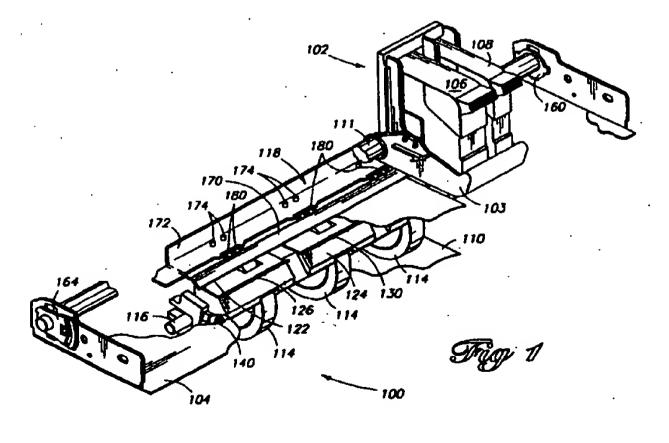
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## (54) Media handling in an ink-jet printer

(57) Described herein is a printer having a printhead (102) which traverses laterally across a sheetlike print medium (110) and which thereby defines a laterally-extending print zone across the print medium. A paper transport mechanism in the printer has drive rollers (114) and associated pinch wheels (180) to drive the print medium through the printer's print zone. The paper transport mechanism further includes an upper print media guide (202) and a lower print medium guide (126). The two print medium guides are shaped at their transverse ends to bow the transverse edges of the print medium downwardly to reduce its tendency to buckle up-

wardly into the printhead. In order to fit the upper print medium guide into the limited available space above the drive rollers, it is made of a lower molded portion (170) for paper contact and an upper backing portion (172) for rigidity. A pinch finger (191) extends toward the printer's print zone beyond the pinch wheels to establish a pinch point (192) against the drive roller in near proximity to the print zone. To facilitate ejection of printed pages, the upper print medium guide is formed with a series of ribs (204) which contact the paper. The ribs reduce friction and static buildup, and make it easier to push the paper from the paper transport mechanism.



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## **EUROPEAN SEARCH REPORT**

Application Number

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Category	Citation of document with ind of relevant pass		Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Ct. 6)
A	US 5393151 A (MARTIN et al. 1995 (28.02.95 the whole		1,3	B 41 J 13/10 B 41 J 11/00
A		C CO., LTD.) 94 (02.11.94), document.	1-3	
A,P	(30.05.95),	) 30 May 1995 document.	1	
A	EP 0487080 A1 (TOKYO ELECTRI 27 May 1992 (2 the whole	-	1,2	÷.
A	EP 0441448 A1 (N.V. PHILIPS' FABRIEKEN) 14 (14.08.91), the whole		1,2	TECHNICAL FIELDS SEARCHED (Int. CL.6)  B 41 J
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11	he present search report has been	drawn up for all claims		
Pi	oc of search	Date of completion of the search		Examiner
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